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Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the

COMMUNICABLE DISEASE CENTER

ME1rose 4-5131

For release February 10, 1961

Atlanta 22, Georgia

Vol. 10, No. 5

Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended February 4, 1961

Influenza - There have been no reports to date of outbreaks of influenza within the continental United States, although influenza is currently active in other parts of the world (see International Notes, page 8). The number of deaths due to influenza and pneumonia are within limits of seasonal expectancy and show no significant excess mortality.

Hepatitis - Sustained high incidence. (See graph, page 2)

Diphtheria - Same general level prevails, with majority of cases reported from Texas, and remaining cases scattered.

Poliomyelitis - A total of six paralytic cases reported for the nation, with no State reporting more than one.

EPIDEMIOLOGICAL REPORTS

Botulism - Toppenish, Washington

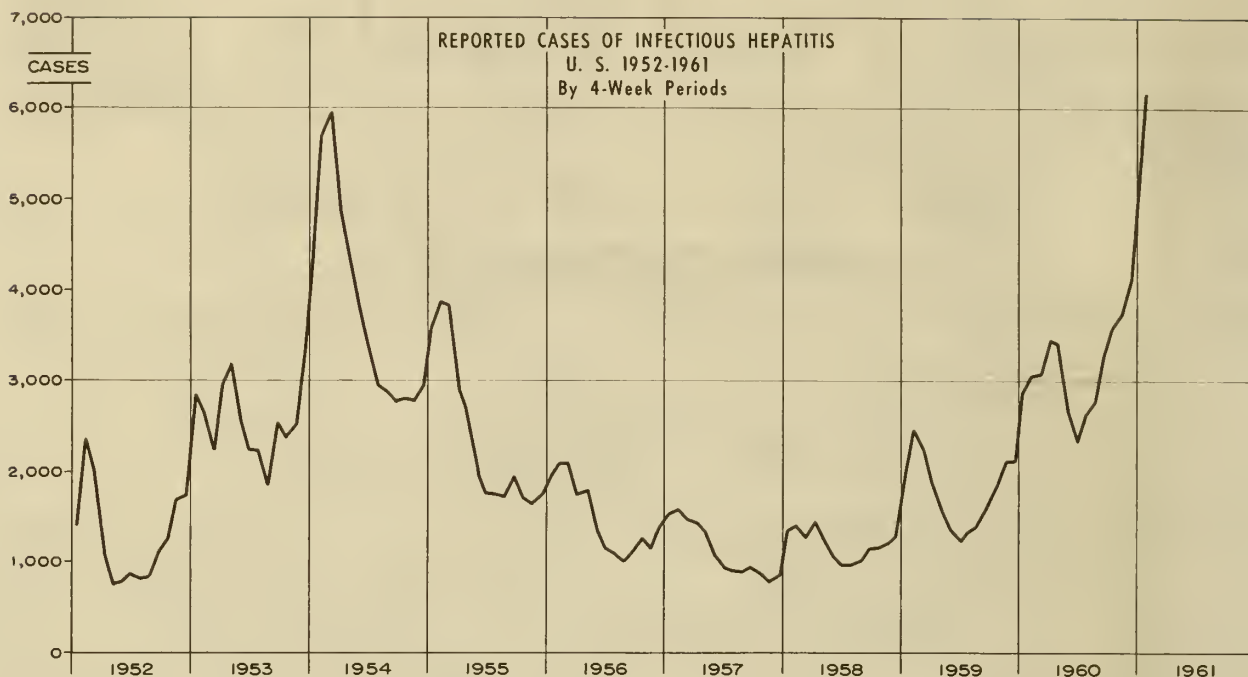
Four cases of botulism, with one death occurred January 28-30 in a family of eight persons in Toppenish, Washington. Both parents aged 45 and 47 years and two sons aged 16 and 18 years exhibited symptoms including

Table 1. Cases of Specified Notifiable Diseases, United States

(Cumulative totals include revised and delayed reports through previous week)

| Disease (Seventh Revision of International Lists, 1955) | 5th Week | | | Cumulative | | | | | | Approximate seasonal low point |
|---|-----------------------------|-----------------------------|-------------------|---------------|--------|-------------------|-------------------------|---------|------------------------------------|---|
| | Ended Feb. 4, 1961 | Ended Feb. 6, 1960 | Median 1956-60 | First 5 weeks | | | Since seasonal low week | | | |
| | | | | 1961 | 1960 | Median 1956-60 | 1960-61 | 1959-60 | Median 1955-56 to 1959-60 | |
| * Weekly incidence low or sporadic | | | | | | | | | | |
| --- Data not available | | | | | | | | | | |
| - Quantity zero | | | | | | | | | | |
| Anthrax-----062 | - | - | * | - | - | * | * | * | * | * |
| Botulism-----049.1 | 4 | - | * | 4 | 3 | * | * | * | * | * |
| Brucellosis (undulant fever)-----044 | 10 | 13 | 15 | 40 | 71 | 64 | * | * | * | * |
| Diphtheria-----055 | 22 | 24 | 23 | 116 | 115 | 116 | 696 | 645 | 849 | July 1 |
| Encephalitis, infectious-----082 | 24 | 26 | 20 | 111 | 133 | 104 | 111 | 133 | 104 | Jan. 1 |
| Hepatitis, infectious, and serum-----092,N998.5 pt. | 1,808 | 775 | 598 | 7,939 | 3,612 | 2,523 | 23,142 | 11,588 | 7,278 | Sept. 1 |
| Malaria-----110-117 | - | - | * | 1 | 5 | * | * | * | * | * |
| Measles-----085 | 10,204 | 9,793 | 10,786 | 42,716 | 41,355 | 42,728 | 78,763 | 78,843 | 78,843 | Sept. 1 |
| Meningitis, aseptic-----340 pt. | 23 | 27 | --- | 113 | 159 | --- | 113 | 159 | --- | Jan. 1 |
| Meningococcal infections-----057 | 57 | 59 | 60 | 269 | 273 | 279 | 923 | 929 | 1,093 | Sept. 1 |
| Poliomyelitis-----080 | 13 | 8 | 26 | 58 | 116 | 116 | 3,124 | 8,390 | 8,390 | Apr. 1 |
| Paralytic-----080.0,080.1 | 6 | 3 | 18 | 33 | 81 | 81 | 2,142 | 5,582 | 5,582 | Apr. 1 |
| Nonparalytic-----080.2 | 5 | 1 | 3 | 11 | 18 | 18 | 634 | 2,135 | 2,135 | Apr. 1 |
| Unspecified-----080.3 | 2 | 4 | 5 | 14 | 17 | 17 | 348 | 673 | 673 | Apr. 1 |
| Psittacosis-----096.2 | 1 | 3 | * | 4 | 7 | * | * | * | * | * |
| Rabies in man-----094 | - | - | * | 2 | - | * | * | * | * | * |
| Streptococcal sore throat, including scarlet fever-----050,051 | 9,187 | 9,590 | --- | 43,592 | 42,349 | --- | 141,244 | --- | --- | Aug. 1 |
| Typhoid fever-----040 | 6 | 9 | 18 | 36 | 40 | 73 | 724 | 765 | 1,085 | Apr. 1 |
| Typhus fever, endemic-----101 | 1 | - | * | 4 | 3 | * | * | * | * | * |
| Rabies in animals----- | 57 | 81 | 87 | 254 | 375 | 432 | 830 | 1,355 | 1,355 | Oct. 1 |

Botulism - Washington 4.



The graph shows reported cases of hepatitis for the United States by four-week periods since 1952 and indicates that the incidence of this infection during the recent four-week period (ending January 28) exceeded the maximum of the 1954 nationwide epidemic. This week a total of 1,808 cases was reported, and last week, 1,856, reflecting a sustained high incidence.

vomiting, dizziness, dysphagia, diplopia and speech disturbance. The two initial cases manifested severe symptomatology with respiratory paralysis requiring the use of a mechanical respirator. The remaining two cases, with somewhat longer incubation periods, were severe but not critical. Despite antitoxin and supportive therapy one of the respirator cases died.

It appeared from epidemiologic investigation of the family's food consumption during a 48 hour period prior to onset of initial symptoms, that the noon meal of January 28 was the most likely time of ingestion of toxin. Home canned chili prepared without utilizing pressure cooking techniques was served and appeared to be the source of toxin. Other family members eating the same meal but not partaking of the chili did not develop illness.

Samples of foods consumed were collected and laboratory studies to confirm the presence of botulinus toxin are presently in progress.

(Submitted by Dr. Ernest A. Ager, Head, Communicable Disease Control, State of Washington Department of Health)

Histoplasmosis — Lexington, Kentucky

An outbreak of seven cases of bronchopneumonia, at first thought to be ornithosis but later confirmed as histoplasmosis, occurred in Lexington, Kentucky.

During October 1960 reconstruction of a water tower on a downtown Lexington building necessitated removal of a large quantity of accumulated pigeon droppings which was accomplished by a crew of seven workmen. The droppings were shoveled into buckets which were then hoisted out and dumped. Although considerable dust was created, no facial masks were worn by the workmen during this operation.

Four days later one man became ill with chills and "generalized aches," and within two days a second workman experienced chills, severe headache, and chest pain. By the ninth day the remaining five men noted onset of similar symptoms.

All the workmen were admitted to the same hospital. The initial clinical impression was acute ornithosis. Fever ranged up to 104° F and auscultatory signs were present on chest examination. A dry, nonproductive cough and diminished vital capacity were also noted. X-ray examination revealed bronchopneumonia. Only two of the patients exhibited sensitivity to the histoplasmin skin test performed two weeks after apparent exposure.

Seven pigeons trapped near the water tower were examined by the Communicable Disease Center Virus Laboratory and two were found to harbor ornithosis virus. A sample of pigeon droppings cultured for pathogenic fungi by the Kentucky State Department of Health was negative.

(Continued on page 8)

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED FEBRUARY 6, 1960 AND FEBRUARY 4, 1961

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

| Area | Poliomyelitis 080 | | | | | | | | | | Menin- gitis, aseptic | Brucel- losis (undulant fever) |
|---------------------------|---|------|------------------------------|------|-----------------------|------|------------------------------|------|--------------|------|-----------------------------|---|
| | Total (Includes cases not specified by type) | | | | Paralytic 080.0,080.1 | | | | Nonparalytic | | | |
| | 5th Week | | Cumulative, first 5 weeks | | 5th Week | | Cumulative, first 5 weeks | | | | | |
| | 1961 | 1960 | 1961 | 1960 | 1961 | 1960 | 1961 | 1960 | 1961 | 1960 | 340 pt. | 044 |
| UNITED STATES----- | 13 | 8 | 58 | 116 | 6 | 3 | 33 | 81 | 5 | 1 | 23 | 10 |
| NEW ENGLAND----- | - | - | - | 5 | - | - | - | 5 | - | - | - | - |
| Maine----- | - | - | - | 1 | - | - | - | 1 | - | - | - | - |
| New Hampshire----- | - | - | - | - | - | - | - | - | - | - | - | - |
| Vermont----- | - | - | - | - | - | - | - | - | - | - | - | - |
| Massachusetts----- | - | - | - | 4 | - | - | - | 4 | - | - | - | - |
| Rhode Island----- | - | - | - | - | - | - | - | - | - | - | - | - |
| Connecticut----- | - | - | - | - | - | - | - | - | - | - | - | - |
| MIDDLE ATLANTIC----- | 1 | 4 | 6 | 22 | 1 | 2 | 5 | 14 | - | - | 1 | - |
| New York----- | 1 | 4 | 2 | 21 | 1 | 2 | 1 | 13 | - | - | - | - |
| New Jersey----- | - | - | - | 1 | - | - | - | 1 | - | - | 1 | - |
| Pennsylvania----- | - | - | 4 | - | - | - | 4 | - | - | - | - | - |
| EAST NORTH CENTRAL----- | 2 | - | 10 | 11 | - | - | 6 | 2 | 2 | - | 3 | 4 |
| Ohio----- | 2 | - | 6 | 10 | - | - | 3 | 2 | 2 | - | 2 | - |
| Indiana----- | - | - | - | - | - | - | - | - | - | - | - | - |
| Illinois----- | - | - | 2 | - | - | - | 2 | - | - | - | - | 3 |
| Michigan----- | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| Wisconsin----- | - | - | 2 | 1 | - | - | 1 | - | - | - | - | - |
| WEST NORTH CENTRAL----- | - | 1 | 1 | 4 | - | - | 1 | 3 | - | - | - | 4 |
| Minnesota----- | - | - | 1 | 3 | - | - | 1 | 3 | - | - | - | - |
| Iowa----- | - | 1 | - | 1 | - | - | - | - | - | - | - | 3 |
| Missouri----- | - | - | - | - | - | - | - | - | - | - | - | - |
| North Dakota----- | - | - | - | - | - | - | - | - | - | - | - | - |
| South Dakota----- | - | - | - | - | - | - | - | - | - | - | - | - |
| Nebraska----- | - | - | - | - | - | - | - | - | - | - | - | 1 |
| Kansas----- | - | - | - | - | - | - | - | - | - | - | - | - |
| SOUTH ATLANTIC----- | 1 | - | 5 | 29 | 1 | - | 4 | 23 | - | - | 5 | 1 |
| Delaware----- | - | - | 1 | - | - | - | 1 | - | - | - | - | - |
| Maryland----- | - | - | - | - | - | - | - | - | - | - | - | - |
| District of Columbia----- | - | - | - | - | - | - | - | - | - | - | - | - |
| Virginia----- | - | - | - | - | - | - | - | - | - | - | - | 1 |
| West Virginia----- | - | - | - | 2 | - | - | - | 2 | - | - | - | - |
| North Carolina----- | 1 | - | 2 | 11 | 1 | - | 2 | 11 | - | - | - | - |
| South Carolina----- | - | - | - | 1 | - | - | - | 1 | - | - | - | - |
| Georgia----- | - | - | - | 1 | - | - | - | 1 | - | - | - | - |
| Florida----- | - | - | 2 | 14 | - | - | 1 | 8 | - | - | 5 | - |
| EAST SOUTH CENTRAL----- | 2 | - | 7 | 2 | - | - | - | 1 | - | - | 5 | - |
| Kentucky----- | 2 | - | 7 | 2 | - | - | - | 1 | - | - | - | - |
| Tennessee----- | - | - | - | - | - | - | - | - | - | - | 1 | - |
| Alabama----- | - | - | - | - | - | - | - | - | - | - | - | - |
| Mississippi----- | - | - | - | - | - | - | - | - | - | - | 4 | - |
| WEST SOUTH CENTRAL----- | 2 | 2 | 6 | 7 | 1 | 1 | 3 | 5 | 1 | 1 | 1 | - |
| Arkansas----- | - | - | 1 | - | - | - | - | - | - | - | - | - |
| Louisiana----- | - | 1 | 3 | 3 | - | - | 2 | 2 | - | 1 | - | - |
| Oklahoma----- | - | - | - | - | - | - | - | - | - | - | - | - |
| Texas----- | 2 | 1 | 2 | 4 | 1 | 1 | 1 | 3 | 1 | - | 1 | - |
| MOUNTAIN----- | 1 | 1 | 11 | 5 | 1 | - | 6 | 3 | - | - | - | - |
| Montana----- | - | - | 1 | 4 | - | - | - | 1 | 3 | - | - | - |
| Idaho----- | - | 1 | 2 | 1 | - | - | - | - | - | - | - | - |
| Wyoming----- | - | - | - | - | - | - | - | - | - | - | - | - |
| Colorado----- | 1 | - | 2 | - | 1 | - | 2 | - | - | - | - | - |
| New Mexico----- | - | - | - | - | - | - | - | - | - | - | - | - |
| Arizona----- | - | - | 2 | - | - | - | 1 | - | - | - | - | - |
| Utah----- | - | - | 4 | - | - | - | 2 | - | - | - | - | - |
| Nevada----- | - | - | - | - | - | - | - | - | - | - | - | - |
| PACIFIC----- | 4 | - | 12 | 31 | 2 | - | 8 | 25 | 2 | - | 8 | 1 |
| Washington----- | - | - | - | 1 | - | - | - | 1 | - | - | - | - |
| Oregon----- | 1 | - | 1 | 7 | 1 | - | 1 | 3 | - | - | - | - |
| California----- | 3 | - | 11 | 22 | 1 | - | 7 | 20 | 2 | - | 8 | 1 |
| Alaska----- | - | - | - | - | - | - | - | - | - | - | - | - |
| Hawaii----- | - | - | - | 1 | - | - | - | 1 | - | - | - | - |
| Puerto Rico----- | 1 | 6 | 1 | 8 | 1 | 6 | 1 | 8 | - | - | - | - |

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED FEBRUARY 6, 1960 AND FEBRUARY 4, 1961 - Continued
(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

| Area | Diphtheria 055 | | | | Encephalitis, infectious | | Hepatitis, infectious, and serum 092,N998.5 pt. | | | | Measles | |
|---------------------------|----------------|------|---------------------------|------|--------------------------|------|---|------|---------------------------|-------|---------|-------|
| | 5th Week | | Cumulative, first 5 weeks | | 082 | | 5th Week | | Cumulative, first 5 weeks | | 085 | |
| | 1961 | 1960 | 1961 | 1960 | 1961 | 1960 | 1961 | 1960 | 1961 | 1960 | 1961 | 1960 |
| UNITED STATES----- | 22 | 24 | 116 | 115 | 24 | 26 | 1,808 | 775 | 7,939 | 3,612 | 10,204 | 9,793 |
| NEW ENGLAND----- | 1 | - | 1 | 1 | 1 | 5 | 52 | 23 | 258 | 133 | 709 | 680 |
| Maine----- | - | - | - | - | - | - | - | 1 | 12 | 12 | 42 | 98 |
| New Hampshire----- | - | - | - | - | - | - | 3 | - | 9 | - | 41 | 15 |
| Vermont----- | - | - | - | - | - | - | 6 | - | 70 | 4 | - | 8 |
| Massachusetts----- | 1 | - | 1 | - | 1 | - | 13 | 9 | 72 | 72 | 324 | 417 |
| Rhode Island----- | - | - | - | 1 | - | 4 | 12 | 6 | 27 | 22 | 207 | 1 |
| Connecticut----- | - | - | - | - | - | 1 | 18 | 7 | 68 | 23 | 95 | 141 |
| MIDDLE ATLANTIC----- | - | 1 | 2 | 5 | 4 | 6 | 218 | 62 | 1,013 | 323 | 2,226 | 1,059 |
| New York----- | - | - | 1 | 1 | 4 | 5 | 113 | 34 | 478 | 151 | 1,039 | 889 |
| New Jersey----- | - | - | - | - | - | - | 40 | 4 | 146 | 21 | 342 | 105 |
| Pennsylvania----- | - | 1 | 1 | 4 | - | 1 | 65 | 24 | 389 | 151 | 845 | 65 |
| EAST NORTH CENTRAL----- | 1 | 1 | 1 | 11 | 3 | 1 | 392 | 160 | 1,561 | 628 | 3,249 | 2,131 |
| Ohio----- | - | 1 | - | 8 | - | - | 169 | 51 | 683 | 154 | 734 | 229 |
| Indiana----- | - | - | - | 1 | - | - | 40 | 26 | 163 | 84 | 148 | 191 |
| Illinois----- | - | - | - | 1 | - | 1 | 72 | 29 | 244 | 148 | 502 | 639 |
| Michigan----- | 1 | - | 1 | 1 | 3 | - | 99 | 46 | 434 | 193 | 433 | 658 |
| Wisconsin----- | - | - | - | - | - | - | 12 | 8 | 37 | 49 | 1,432 | 414 |
| WEST NORTH CENTRAL----- | 1 | 1 | 6 | 9 | 1 | 1 | 185 | 60 | 759 | 303 | 280 | 357 |
| Minnesota----- | 1 | - | 3 | 2 | - | - | 46 | 5 | 160 | 35 | 17 | 220 |
| Iowa----- | - | - | 1 | 1 | - | - | 60 | 9 | 154 | 62 | 66 | 33 |
| Missouri----- | - | - | - | 1 | 1 | 1 | 22 | 12 | 184 | 83 | 118 | 4 |
| North Dakota----- | - | - | - | 1 | - | - | - | 16 | 16 | 47 | 77 | 96 |
| South Dakota----- | - | 1 | 2 | 3 | - | - | 11 | - | 48 | 22 | - | - |
| Nebraska----- | - | - | - | - | - | - | 23 | 11 | 77 | 28 | 2 | 4 |
| Kansas----- | - | - | - | 1 | - | - | 23 | 7 | 120 | 26 | NN | NN |
| SOUTH ATLANTIC----- | 6 | 5 | 15 | 29 | 4 | 1 | 201 | 100 | 875 | 395 | 1,144 | 507 |
| Delaware----- | - | - | - | - | - | - | 1 | 2 | 22 | 15 | 102 | 5 |
| Maryland----- | - | - | - | - | - | - | 24 | 2 | 82 | 36 | 60 | 71 |
| District of Columbia----- | - | - | - | - | - | 1 | - | 1 | 7 | 3 | 1 | 51 |
| Virginia----- | 3 | - | 5 | 5 | - | - | 11 | 40 | 102 | 116 | 236 | 263 |
| West Virginia----- | - | - | 1 | 1 | - | - | 62 | 22 | 209 | 97 | 103 | 49 |
| North Carolina----- | 1 | - | 2 | 1 | 3 | - | 39 | 3 | 178 | 18 | 266 | 20 |
| South Carolina----- | - | 2 | - | 12 | - | - | 8 | 3 | 101 | 9 | 225 | 2 |
| Georgia----- | 1 | 1 | 3 | 2 | - | - | 37 | 4 | 89 | 26 | 13 | 1 |
| Florida----- | 1 | 2 | 4 | 8 | 1 | - | 19 | 23 | 85 | 75 | 138 | 45 |
| EAST SOUTH CENTRAL----- | - | 4 | 3 | 12 | 1 | - | 318 | 122 | 1,481 | 705 | 1,019 | 992 |
| Kentucky----- | - | - | 2 | - | 1 | - | 101 | 56 | 523 | 328 | 618 | 479 |
| Tennessee----- | - | - | 1 | 1 | - | - | 161 | 33 | 661 | 219 | 354 | 413 |
| Alabama----- | - | - | - | 6 | - | - | 30 | 26 | 213 | 124 | 30 | 22 |
| Mississippi----- | - | 4 | - | 5 | - | - | 26 | 7 | 84 | 34 | 17 | 78 |
| WEST SOUTH CENTRAL----- | 13 | 9 | 85 | 29 | 2 | 1 | 126 | 62 | 474 | 271 | 319 | 1,794 |
| Arkansas----- | - | - | - | - | - | - | 21 | 6 | 87 | 18 | 34 | 91 |
| Louisiana----- | 2 | 2 | 7 | 7 | - | - | 6 | 5 | 19 | 15 | - | 14 |
| Oklahoma----- | - | 1 | 2 | 4 | - | 1 | 14 | 12 | 51 | 42 | 5 | 27 |
| Texas----- | 11 | 6 | 76 | 18 | 2 | - | 85 | 39 | 317 | 196 | 280 | 1,662 |
| MOUNTAIN----- | - | 3 | 3 | 18 | 2 | 1 | 135 | 69 | 555 | 373 | 363 | 667 |
| Montana----- | - | - | 2 | - | - | - | 28 | 10 | 82 | 19 | 46 | 39 |
| Idaho----- | - | - | - | 11 | 1 | - | 4 | 6 | 39 | 51 | 47 | 202 |
| Wyoming----- | - | 1 | - | 4 | 1 | - | - | - | 5 | 2 | 25 | 109 |
| Colorado----- | - | 2 | 1 | 2 | - | - | 42 | 16 | 204 | 103 | 52 | 79 |
| New Mexico----- | - | - | - | - | - | - | 5 | 13 | 36 | 76 | - | - |
| Arizona----- | - | - | - | - | - | 1 | 11 | 17 | 52 | 76 | 149 | 69 |
| Utah----- | - | - | - | 1 | - | - | 41 | 7 | 119 | 40 | 40 | 169 |
| Nevada----- | - | - | - | - | - | - | 4 | - | 18 | 6 | 4 | - |
| PACIFIC----- | - | - | - | 1 | 6 | 10 | 181 | 117 | 963 | 481 | 895 | 1,606 |
| Washington----- | - | - | - | - | 1 | 1 | 35 | 15 | 111 | 48 | 226 | 409 |
| Oregon----- | - | - | - | - | - | - | 30 | 24 | 189 | 99 | 98 | 216 |
| California----- | - | - | - | - | 5 | 9 | 112 | 74 | 630 | 309 | 568 | 360 |
| Alaska----- | - | - | - | 1 | - | - | 3 | - | 21 | 14 | - | - |
| Hawaii----- | - | - | - | - | - | - | 1 | 4 | 12 | 11 | 3 | 621 |
| Puerto Rico----- | - | 12 | - | 23 | - | - | 5 | 63 | 15 | 87 | 36 | 16 |

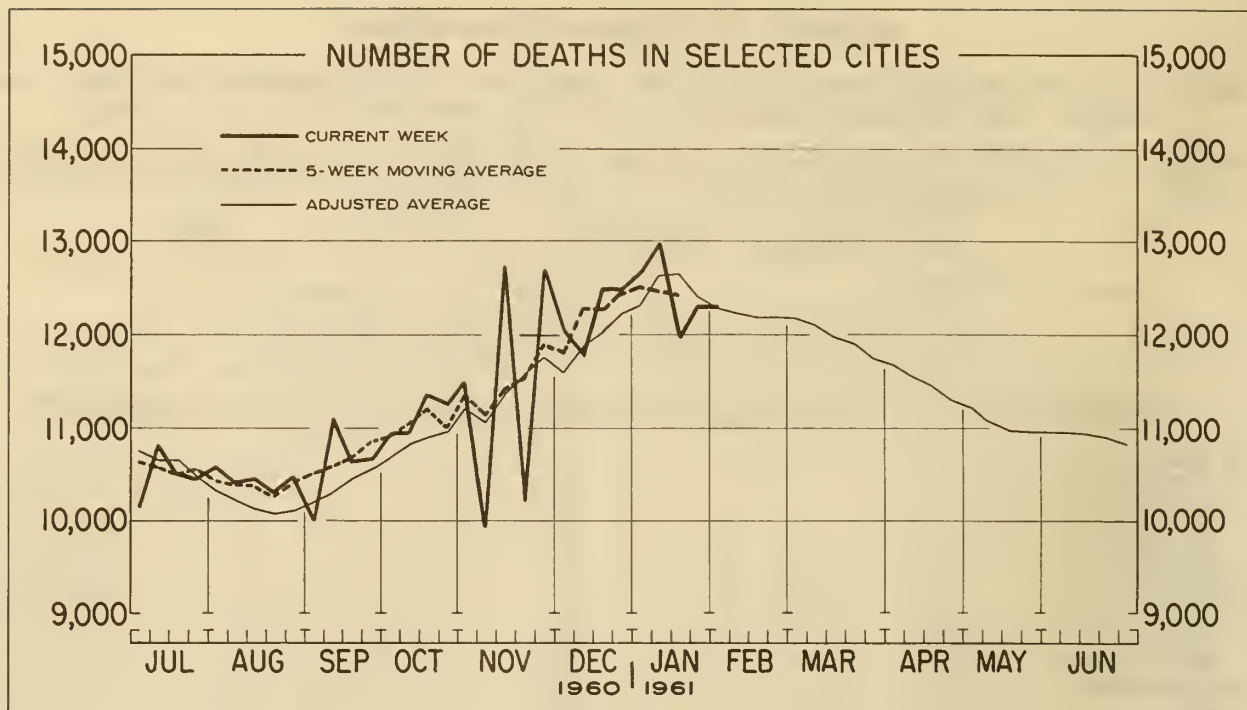
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED FEBRUARY 6, 1960 AND FEBRUARY 4, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

| Area | Malaria | Meningococcal infections | | Psittacosis | Streptococcal sore throat, etc. | Typhoid fever 040 | | | | Typhus fever, endemic | Rabies in animals | |
|---------------------------|---------|--------------------------|------|-------------|---------------------------------|-------------------|------|---------------------------|------|-----------------------|-------------------|------|
| | 110-117 | 057 | | 096.2 | 050,051 | 5th Week | | Cumulative, first 5 weeks | | 101 | | |
| | 1961 | 1961 | 1960 | 1961 | 1961 | 1961 | 1960 | 1961 | 1960 | 1961 | 1961 | 1960 |
| UNITED STATES----- | - | 57 | 59 | 1 | 9,187 | 6 | 9 | 36 | 40 | 1 | 57 | 81 |
| NEW ENGLAND----- | - | - | 6 | - | 516 | - | - | - | 1 | - | - | - |
| Maine----- | - | - | 2 | - | 24 | - | - | - | - | - | - | - |
| New Hampshire----- | - | - | - | - | 42 | - | - | - | - | - | - | - |
| Vermont----- | - | - | - | - | 45 | - | - | - | - | - | - | - |
| Massachusetts----- | - | - | - | - | 170 | - | - | - | 1 | - | - | - |
| Rhode Island----- | - | - | 4 | - | 26 | - | - | - | - | - | - | - |
| Connecticut----- | - | - | - | - | 209 | - | - | - | - | - | - | - |
| MIDDLE ATLANTIC----- | - | 5 | 7 | 1 | 583 | - | 1 | 3 | 3 | - | 4 | 5 |
| New York----- | - | 3 | 3 | - | 316 | - | 1 | 1 | 1 | - | 4 | 5 |
| New Jersey----- | - | 2 | 1 | - | 135 | - | - | - | - | - | - | - |
| Pennsylvania----- | - | - | 3 | 1 | 132 | - | - | 2 | 2 | - | - | - |
| EAST NORTH CENTRAL----- | - | 12 | 10 | - | 1,174 | - | 1 | 4 | 3 | - | 2 | 23 |
| Ohio----- | - | 4 | 5 | - | 415 | - | - | 2 | - | - | - | 12 |
| Indiana----- | - | - | - | - | 196 | - | - | - | 1 | - | 2 | 4 |
| Illinois----- | - | 2 | - | - | 220 | - | - | - | - | - | - | 7 |
| Michigan----- | - | 3 | 5 | - | 164 | - | 1 | 1 | 2 | - | - | - |
| Wisconsin----- | - | 3 | - | - | 179 | - | - | 1 | - | - | - | - |
| WEST NORTH CENTRAL----- | - | 3 | 2 | - | 373 | - | 1 | 2 | 6 | - | 13 | 12 |
| Minnesota----- | - | 1 | 1 | - | 14 | - | - | - | - | - | 1 | 2 |
| Iowa----- | - | - | - | - | 97 | - | - | - | - | - | 6 | 1 |
| Missouri----- | - | 1 | - | - | 11 | - | 1 | 2 | 6 | - | 3 | 6 |
| North Dakota----- | - | - | - | - | 128 | - | - | - | - | - | - | 2 |
| South Dakota----- | - | - | - | - | 1 | - | - | - | - | - | 3 | - |
| Nebraska----- | - | - | 1 | - | 1 | - | - | - | - | - | - | 1 |
| Kansas----- | - | 1 | - | - | 121 | - | - | - | - | - | - | - |
| SOUTH ATLANTIC----- | - | 17 | 6 | - | 626 | 2 | 2 | 7 | 6 | - | 7 | 5 |
| Delaware----- | - | - | - | - | 2 | - | - | - | - | - | - | - |
| Maryland----- | - | 4 | - | - | 32 | - | - | - | - | - | - | - |
| District of Columbia----- | - | - | - | - | 2 | - | - | - | - | - | - | - |
| Virginia----- | - | 4 | 3 | - | 177 | - | 2 | - | 3 | - | 3 | 3 |
| West Virginia----- | - | 1 | - | - | 202 | - | - | 1 | - | - | 4 | 1 |
| North Carolina----- | - | 4 | 2 | - | 58 | - | - | 1 | 3 | - | - | - |
| South Carolina----- | - | 1 | - | - | 42 | - | - | 1 | - | - | - | - |
| Georgia----- | - | - | 1 | - | 7 | 2 | - | 3 | - | - | - | 1 |
| Florida----- | - | 3 | - | - | 104 | - | - | 1 | - | - | - | - |
| EAST SOUTH CENTRAL----- | - | 4 | 6 | - | 1,560 | 2 | 1 | 6 | 10 | - | 6 | 12 |
| Kentucky----- | - | 1 | - | - | 245 | - | - | 1 | 3 | - | 2 | 2 |
| Tennessee----- | - | 1 | 3 | - | 1,230 | 2 | 1 | 3 | 5 | - | 2 | 7 |
| Alabama----- | - | 1 | 3 | - | 51 | - | - | 2 | 2 | - | 2 | 1 |
| Mississippi----- | - | 1 | - | - | 34 | - | - | - | - | - | - | 2 |
| WEST SOUTH CENTRAL----- | - | 3 | 8 | - | 1,129 | 1 | 1 | 3 | 4 | 1 | 18 | 22 |
| Arkansas----- | - | - | - | - | 10 | - | - | - | 1 | - | 5 | 11 |
| Louisiana----- | - | 1 | 5 | - | 7 | 1 | - | 1 | - | - | - | - |
| Oklahoma----- | - | - | 2 | - | 49 | - | 1 | 1 | 1 | - | - | - |
| Texas----- | - | 2 | 1 | - | 1,063 | - | - | 1 | 2 | 1 | 13 | 11 |
| MOUNTAIN----- | - | 1 | 1 | - | 2,103 | 1 | 2 | 7 | 5 | - | 3 | - |
| Montana----- | - | 1 | - | - | 117 | - | 1 | 1 | 4 | - | - | - |
| Idaho----- | - | - | - | - | 114 | - | - | - | - | - | - | - |
| Wyoming----- | - | - | - | - | 145 | - | - | - | - | - | - | - |
| Colorado----- | - | - | - | - | 643 | 1 | - | 4 | - | - | - | - |
| New Mexico----- | - | - | - | - | 572 | - | 1 | 1 | 1 | - | 2 | - |
| Arizona----- | - | - | - | - | 186 | - | - | - | - | - | 1 | - |
| Utah----- | - | - | 1 | - | 319 | - | - | 1 | - | - | - | - |
| Nevada----- | - | - | - | - | 7 | - | - | - | - | - | - | - |
| PACIFIC----- | - | 12 | 13 | - | 1,123 | - | - | 4 | 2 | - | 4 | 2 |
| Washington----- | - | 2 | - | - | 654 | - | - | 1 | - | - | - | - |
| Oregon----- | - | - | 3 | - | 69 | - | - | - | - | - | - | - |
| California----- | - | 10 | 10 | - | 385 | - | - | 3 | 2 | - | 4 | 2 |
| Alaska----- | - | - | - | - | 12 | - | - | - | - | - | - | - |
| Hawaii----- | - | - | - | - | 3 | - | - | - | - | - | - | - |
| Puerto Rico----- | - | 1 | 1 | - | 7 | - | 1 | - | 6 | - | - | - |



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates re-

ceived during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

| Area | 5th week ended Feb. 4, 1961 | 4th week ended Jan. 28, 1961 | Adjusted average, 5th week 1956-60 | Percent change, adjusted average to current week | Cumulative, first 5 weeks | | |
|-------------------------------------|-----------------------------|------------------------------|------------------------------------|--|---------------------------|--------|----------------|
| | | | | | 1961 | 1960 | Percent change |
| TOTAL, 117 REPORTING CITIES----- | 12,308 | 12,304 | 12,277 | +0.3 | 62,241 | 66,375 | -6.2 |
| New England----- (14 cities) | 747* | 806 | 727 | +2.8 | 3,830 | 4,168 | -8.1 |
| Middle Atlantic----- (20 cities) | 3,619* | 3,403 | 3,365 | +7.5 | 17,644 | 17,684 | -0.2 |
| East North Central----- (21 cities) | 2,479 | 2,532 | 2,637 | -6.0 | 12,966 | 14,754 | -12.1 |
| West North Central----- (9 cities) | 809 | 784 | 881 | -8.2 | 4,076 | 4,513 | -9.7 |
| South Atlantic----- (11 cities) | 1,072* | 1,126 | 1,056 | +1.5 | 5,615 | 5,620 | -0.1 |
| East South Central----- (8 cities) | 595* | 575 | 558 | +6.6 | 2,909 | 2,963 | -1.8 |
| West South Central----- (13 cities) | 1,145 | 1,180 | 1,119 | +2.3 | 5,538 | 5,889 | -6.0 |
| Mountain----- (8 cities) | 379 | 368 | 375 | +1.1 | 1,889 | 2,000 | -5.6 |
| Pacific----- (13 cities) | 1,463 | 1,530 | 1,559 | -6.2 | 7,774 | 8,784 | -11.5 |

*Includes estimate for missing reports.

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Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

| Area | 5th week ended Feb. 4, 1961 | 4th week ended Jan. 28, 1961 | Cumulative, first 5 weeks | | Area | 5th week ended Feb. 4, 1961 | 4th week ended Jan. 28, 1961 | Cumulative, first 5 weeks | |
|--|--|---|------------------------------|-------|------------------------------|--|---|------------------------------|-------|
| | 1961 | 1961 | 1961 | 1960 | | 1961 | 1961 | 1961 | 1960 |
| NEW ENGLAND: | | | | | WEST NORTH CENTRAL—Con.: | | | | |
| Boston, Mass.----- | 276 | 284 | 1,353 | 1,419 | St. Louis, Mo.----- | 249 | 224 | 1,219 | 1,428 |
| Bridgeport, Conn.----- | 35 | 45 | 219 | 219 | St. Paul, Minn.----- | 73 | 68 | 342 | 432 |
| Cambridge, Mass.----- | 26 | 31 | 148 | 181 | Wichita, Kans.----- | 40 | 41 | 233 | 262 |
| Fall River, Mass.----- | 26 | 21 | 126 | 160 | SOUTH ATLANTIC: | | | | |
| Hartford, Conn.----- | 49 | 61 | 252 | 267 | Atlanta, Ga.----- | 155 | 135 | 687 | 644 |
| Lowell, Mass.----- | 33 | 27 | 130 | 129 | Baltimore, Md.----- | 251 | 256 | 1,335 | 1,429 |
| Lynn, Mass.----- | 21 | 17 | 112 | 142 | Charlotte, N.C.----- | 39 | 30 | 194 | 223 |
| New Bedford, Mass.----- | 23 | 32 | 149 | 168 | Jacksonville, Fla.----- | 50 | 71 | 364 | 346 |
| New Haven, Conn.----- | 45 | 62 | 243 | 284 | Miami, Fla.----- | 79* | 91 | 385 | 450 |
| Providence, R.I.----- | 66* | 67 | 330 | 370 | Norfolk, Va.----- | 51 | 56 | 255 | 266 |
| Somerville, Mass.----- | 12 | 12 | 60 | 87 | Richmond, Va.----- | 80 | 87 | 464 | 435 |
| Springfield, Mass.----- | 50 | 49 | 264 | 280 | Savannah, Ga.----- | 43 | 37 | 211 | 201 |
| Waterbury, Conn.----- | 24 | 30 | 142 | 146 | St. Petersburg, Fla.----- | (76) | (63) | (405) | (436) |
| Worcester, Mass.----- | 61 | 68 | 302 | 316 | Tampa, Fla.----- | 64 | 84 | 392 | 340 |
| MIDDLE ATLANTIC: | | | | | Washington, D.C.----- | 220 | 223 | 1,101 | 1,052 |
| Albany, N.Y.----- | 58 | 54 | 284 | 204 | Wilmington, Del.----- | 40 | 56 | 227 | 234 |
| Allentown, Pa.----- | 40 | 37 | 188 | 178 | EAST SOUTH CENTRAL: | | | | |
| Buffalo, N.Y.----- | 128 | 152 | 744 | 861 | Birmingham, Ala.----- | 92 | 75 | 489 | 476 |
| Camden, N.J.----- | 49 | 42 | 212 | 260 | Chattanooga, Tenn.----- | 69 | 68 | 296 | 278 |
| Elizabeth, N.J.----- | 49 | 33 | 168 | 131 | Knoxville, Tenn.----- | 31 | 21 | 155 | 166 |
| Erie, Pa.----- | 41 | 39 | 206 | 201 | Louisville, Ky.----- | 130* | 156 | 625 | 618 |
| Jersey City, N.J.----- | 99 | 60 | 415 | 423 | Memphis, Tenn.----- | 140 | 117 | 632 | 587 |
| Newark, N.J.----- | 116 | 113 | 556 | 552 | Mobile, Ala.----- | 41 | 51 | 222 | 243 |
| New York City, N.Y.----- | 1,761 | 1,829 | 8,868 | 8,647 | Montgomery, Ala.----- | 27 | 41 | 182 | 206 |
| Paterson, N.J.----- | 40 | 41 | 204 | 235 | Nashville, Tenn.----- | 65 | 46 | 308 | 389 |
| Philadelphia, Pa.----- | 598 | 523 | 2,779 | 2,691 | WEST SOUTH CENTRAL: | | | | |
| Pittsburgh, Pa.----- | 264 | 135 | 1,092 | 1,292 | Austin, Tex.----- | 29 | 43 | 183 | 208 |
| Reading, Pa.----- | 26 | 27 | 122 | 136 | Baton Rouge, La.----- | 29 | 37 | 185 | 167 |
| Rochester, N.Y.----- | 112* | 107 | 572 | 624 | Corpus Christi, Tex.----- | 26 | 31 | 139 | 161 |
| Schenectady, N.Y.----- | 24 | 20 | 125 | 134 | Dallas, Tex.----- | 137 | 155 | 673 | 683 |
| Scranton, Pa.----- | 42 | 32 | 202 | 221 | El Paso, Tex.----- | 37 | 42 | 207 | 263 |
| Syracuse, N.Y.----- | 66 | 58 | 318 | 355 | Fort Worth, Tex.----- | 76 | 72 | 328 | 357 |
| Trenton, N.J.----- | 51 | 33 | 237 | 208 | Houston, Tex.----- | 221 | 179 | 1,000 | 996 |
| Utica, N.Y.----- | 31 | 33 | 176 | 160 | Little Rock, Ark.----- | 60 | 60 | 302 | 359 |
| Yonkers, N.Y.----- | 24 | 35 | 176 | 171 | New Orleans, La.----- | 215 | 206 | 941 | 974 |
| EAST NORTH CENTRAL: | | | | | Oklahoma City, Okla.----- | 85 | 103 | 447 | 427 |
| Akron, Ohio----- | 52 | 74 | 308 | 309 | San Antonio, Tex.----- | 125 | 118 | 572 | 681 |
| Canton, Ohio----- | 29 | 28 | 154 | 218 | Shreveport, La.----- | 42 | 81 | 264 | 269 |
| Chicago, Ill.----- | 817 | 740 | 3,956 | 4,683 | Tulsa, Okla.----- | 63 | 53 | 297 | 344 |
| Cincinnati, Ohio----- | 142 | 162 | 842 | 915 | MOUNTAIN: | | | | |
| Cleveland, Ohio----- | 195 | 235 | 1,109 | 1,254 | Albuquerque, N. Mex.----- | 34 | 29 | 165 | 185 |
| Columbus, Ohio----- | 122 | 126 | 614 | 724 | Colorado Springs, Colo.----- | 16 | 15 | 88 | 100 |
| Dayton, Ohio----- | 97 | 75 | 455 | 401 | Denver, Colo.----- | 118 | 126 | 594 | 690 |
| Detroit, Mich.----- | 310 | 329 | 1,722 | 2,103 | Ogden, Utah----- | 15 | 16 | 74 | 96 |
| Evansville, Ind.----- | 39 | 49 | 180 | 191 | Phoenix, Ariz.----- | 93 | 77 | 445 | 412 |
| Flint, Mich.----- | 43 | 35 | 219 | 210 | Pueblo, Colo.----- | 16 | 17 | 77 | 70 |
| Fort Wayne, Ind.----- | 37 | 40 | 209 | 209 | Salt Lake City, Utah----- | 48 | 48 | 244 | 272 |
| Gary, Ind.----- | 25 | 39 | 156 | 167 | Tucson, Ariz.----- | 39 | 40 | 202 | 175 |
| Grand Rapids, Mich.----- | 35 | 51 | 221 | 246 | PACIFIC: | | | | |
| Indianapolis, Ind.----- | 131 | 150 | 750 | 759 | Berkeley, Calif.----- | 11 | 15 | 82 | 103 |
| Madison, Wis.----- | 19 | 25 | 143 | 168 | Fresno, Calif.----- | (45) | (48) | (216) | (288) |
| Milwaukee, Wis.----- | 136 | 119 | 663 | 739 | Glendale, Calif.----- | (34) | (33) | (180) | (272) |
| Peoria, Ill.----- | 23 | 32 | 150 | 164 | Honolulu, Hawaii----- | 41 | 45 | 227 | 212 |
| Rockford, Ill.----- | 23 | 34 | 135 | 162 | Long Beach, Calif.----- | 57 | 67 | 321 | 329 |
| South Bend, Ind.----- | 28 | 29 | 150 | 182 | Los Angeles, Calif.----- | 503 | 510 | 2,809 | 3,417 |
| Toledo, Ohio----- | 110 | 111 | 533 | 632 | Oakland, Calif.----- | 105 | 124 | 560 | 555 |
| Youngstown, Ohio----- | 66 | 49 | 297 | 318 | Pasadena, Calif.----- | 35 | 30 | 156 | 223 |
| WEST NORTH CENTRAL: | | | | | Portland, Oreg.----- | 99 | 113 | 513 | 559 |
| Des Moines, Iowa----- | 62 | 60 | 265 | 299 | Sacramento, Calif.----- | 91 | 50 | 358 | 396 |
| Duluth, Minn.----- | 23 | 25 | 140 | 167 | San Diego, Calif.----- | 73 | 113 | 447 | 589 |
| Kansas City, Kans.----- | 40 | 41 | 210 | 198 | San Francisco, Calif.----- | 228 | 230 | 1,151 | 1,199 |
| Kansas City, Mo.----- | 126 | 106 | 679 | 662 | San Jose, Calif.----- | (35) | (23) | (170) | (155) |
| Lincoln, Nebr.----- | (24) | (25) | (158) | (155) | Seattle, Wash.----- | 128 | 148 | 689 | 732 |
| Minneapolis, Minn.----- | 124 | 137 | 642 | 661 | Spokane, Wash.----- | 51 | 41 | 238 | 239 |
| Omaha, Nebr.----- | 72 | 82 | 346 | 404 | Tacoma, Wash.----- | 41 | 44 | 223 | 231 |
| *Estimate - based on average percentage of divisional total. | | | | | San Juan, P. R.----- | (---) | (29) | (---) | (---) |
| () Figures shown in parenthesis are from cities which have | | | | | | | | | |

*Estimate - based on average percentage of divisional total.

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

QUARANTINE MEASURES

Immunization Information for International Travel

No Changes Reported

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for the States of Alaska and Hawaii. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

INTERNATIONAL NOTES

England and Wales

The influenza epidemic in Great Britain continues. Dr. Edward O'Rourke, Epidemiological Consultant, Division of Foreign Quarantine, USPHS, London, reports that 699 influenza deaths were recorded in England and Wales during the week ending January 28, 1961, compared to 43 deaths in the same week one year ago. The deaths are sharply concentrated among elderly persons. Influenza viruses, most of which have been confirmed as type A₂, have been isolated in Birmingham, Manchester, Plymouth, Portsmouth, Sheffield, London, Leeds and Preston. There have been no reports of influenza on the European continent.

American Samoa

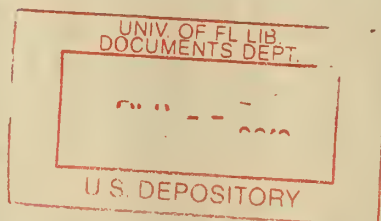
Dr. Delmar Ruthig, Director of Medical Services, American Samoa, reported that an epidemic characteristic of influenza commenced on the Island of Tutuilla about January 9, reaching a peak about January 18. Morbidity rates have been on the order of 10-20 percent.

Japan

A report received from WHO indicates that 300 schools have been closed in Tokyo, Japan, as a result of an epidemic of type B influenza in progress there. The peak of the epidemic is anticipated to occur in mid-February. The Surgeon General of the Air Force has noted that no influenza has occurred in the United States Armed Forces or their dependents stationed in Japan.

Brazil

PAHO has reported to the Division of Foreign Quarantine the occurrence of 112 cases of smallpox in Rio de Janeiro, Brazil, in January 1961, and 18 cases so far in February. No official reports have yet been received from the rest of the country. Smallpox of the mild alastrim type is endemic in Rio. A total of 732 cases was reported in 1960.



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